

org.apache.synapse.securevault.keystore

## Class IdentityKeyStoreWrapper

java.lang.Object

org.apache.synapse.securevault.keystore.KeyStoreWrapper

org.apache.synapse.securevault.keystore.IdentityKeyStoreWrapper

```
public class IdentityKeyStoreWrapper
```

```
extends KeyStoreWrapper
```

Represents the private keyStore entry To provide that abstraction , this class exposes both getter methods to public, private and secret keys

### Field Summary

**Fields inherited from**  
**class org.apache.synapse.securevault.keystore.KeyStoreWrapper**

log

### Constructor Summary

#### Constructors

##### Constructor and Description

**IdentityKeyStoreWrapper()**

### Method Summary

#### All Methods

#### Instance Methods

#### Concrete Methods

##### Modifier and Type

##### Method and Description

**KeyStore**

**getIdentityKeyStore()**

Abstraction for getting Private Entry KeyStore(Identity)

**PrivateKey**

**getPrivateKey()**

Returns the private key based on initialization data

**PrivateKey**

**getPrivateKey(String alias)**

Returns the private key based on initialization data

#### **PrivateKey**

**getPrivateKey**(String alias, String keyPassword)

Returns the private or secret key based on given password and alias

void

**init**(IdentityKeyStoreInformation information,  
String keyPassword)

### **Methods inherited from class org.apache.synapse.securevault.keystore.KeyStoreWrapper**

getDefaultPrivateKey, getKey, getKeyStore, getPublicKey, getPublicKey,  
getPublicKeyFromCertificate, getSecretKey, getSecretKey, init

### **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString,  
wait, wait, wait

## ***Constructor Detail***

### **IdentityKeyStoreWrapper**

```
public IdentityKeyStoreWrapper()
```

## ***Method Detail***

### **init**

```
public void init(IdentityKeyStoreInformation information,  
                String keyPassword)
```

### **getPrivateKey**

```
public PrivateKey getPrivateKey(String alias,  
                                String keyPassword)
```

Returns the private or secret key based on given password and alias

#### **Parameters:**

alias - The alias of the certificate in the specified keyStore

keyPassword - Password to access private key

**Returns:**

PrivateKey if there is a one , otherwise null

**getPrivateKey**

```
public PrivateKey getPrivateKey()
```

Returns the private key based on initialization data

**Returns:**

PrivateKey if there is a one , otherwise null

**getPrivateKey**

```
public PrivateKey getPrivateKey(String alias)
```

Returns the private key based on initialization data

**Overrides:**

`getPrivateKey` in class `KeyStoreWrapper`

**Parameters:**

alias - The alias

**Returns:**

PrivateKey if there is a one , otherwise null

**getIdentityKeyStore**

```
public KeyStore getIdentityKeyStore()
```

Abstraction for getting Private Entry KeyStore(Identity)

**Returns:**

KeyStore Instance

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